

B2  
C1  
a cap dome extending from the rim member to cover the exocervix and having an opening to allow fluid flow out of the cap dome; and  
a valve associated with the opening, constructed to allow outflow while preventing fluid flow into said cap dome.

B3  
2. The cervical cap of claim 1 wherein the valve comprises a check valve sealingly positioned in said opening.

B4  
3. The cervical cap of claim 1 wherein the valve comprises a membrane disposed over an outer surface of the dome and sealed to the cap dome in spaced regions.

B5  
6. The cervical cap of claim 1 wherein the valve comprises a collapsed tube valve.

B6  
8. The cervical cap of claim 3 wherein the membrane has a thickness of less than 0.5 mm.

B7  
10. The cervical cap of claim 3 wherein the membrane comprises a silicone polymer.

B8  
17. A cervical cap comprising a custom molded cap body constructed to cover the exocervix and prevent ingress of sperm and fluids, and a portion, associated with the cap body, that is impregnated or coated with a therapeutic agent and is constructed to release the therapeutic agent over a period of time during use of the cap.

B9  
19. The cervical cap of claim 18 wherein said portion comprises a removable ring that is press-fit onto the cap adjacent the rim.

B10  
23. A method of protecting the exocervix of a female, comprising applying to the exocervix a custom molded cervical cap that includes a portion that is impregnated or coated

*B12*  
*C3* with a therapeutic agent, the portion being constructed to slowly release the therapeutic agent during use of the cap.

*B11* *Sub C4*  
33. A kit for use by a clinician in forming a custom cervical cap in situ, in a patient's body, comprising in combination a rim member dimensioned to fit an exocervix, a curable material, and a means for applying the curable material.

*Sub C4*  
34. A kit for use by a clinician in forming a custom cervical cap in situ, in a patient's body, comprising in combination a rim member dimensioned to fit an exocervix, a shell member dimensioned to be mounted on said rim member, a curable material, and a means for applying the curable material. --

Please add claims 44-51.

*Sub C4*  
-- 44. The cervical cap of claim 2 wherein the valve further comprises a thin membrane disposed over an outer surface of the cap dome and sealed to the cap dome in spaced regions.

*B12*  
45. The cervical cap of claim 2 wherein the valve further comprises a collapsed tube valve.

46. The cervical cap of claim 1 wherein the cap dome comprises a cured polymeric material.

47. The cervical cap of claim 17 wherein said portion is removable.

48. The cervical cap of claim 47 wherein said portion is replaceable.

49. The kit of claim 33 further comprising a ring gauge.

50. The kit of claim 34 further comprising a ring gauge.

51. A method of forming a cervical cap in situ, within a patient's body, comprising the sequential steps of:

B11 (a) positioning a snugly fitting rim member around the patient's exocervix so that a substantially ring-shaped surface of the rim member is exposed and faces towards the opening of the patient's vagina;

(b) applying a fluid, hardenable material over the exocervix, without applying a shell to the rim, such that the hardenable material bonds to said exposed substantially ring-shaped surface of the rim member and covers the surface of the exocervix; and

(c) allowing said hardenable material to harden so that, with the rim member, it forms a cervical cap.--